

Subject Index

- acidaemia**, umbilical artery, neonate, respiratory rate, heart rate, 103
- alcohol consumption**, pregnancy, birth weight, preterm delivery, 121
- amino acid profiles**, low birth weight neonate, total parenteral nutrition, 71
- auditory pathway**, brain stem, human fetus, brain growth, serial sections, 93
- autoregressive analysis**, component analysis, electroencephalogram, total power, ultradian rhythm, 11
- baroreflex**, ECMO, neonate, 49
- behavioural states**, respiratory reflexes, fetus, ultrasound, breathing movements, IUGR, 177
- birth weight**, pregnancy, alcohol consumption, preterm delivery, 121
- brain growth**, auditory pathway, brain stem, human fetus, serial sections, 93
- brain stem**, auditory pathway, human fetus, brain growth, serial sections, 93
- breathing activity**, fetal baboon (*Papio* sp.), development, gestational age, tracheal fluid pressure, 31
- breathing movements**, respiratory reflexes, behavioural states, fetus, ultrasound, IUGR, 177
- breech position**, movement restriction, motor behaviour, ultrasound, development, posture, 161
- bronchopulmonary dysplasia**, high frequency oscillatory ventilation, conventional mechanical ventilation, preterm newborn infant, pulmonary air leak, intraventricular hemorrhage, periventricular leukomalacia, 1
- C-reactive protein**, fetus, infection, 81
- cellular morphology**, human development, telencephalic wall, Golgi impregnation, 131
- chronic lung disease**, dexamethasone, lung function, diuresis, 87
- component analysis**, autoregressive analysis, electroencephalogram, total power, ultradian rhythm, 11
- control of breathing**, sleep state, newborn infant, respiratory pattern, 197
- conventional mechanical ventilation**, high frequency oscillatory ventilation, preterm newborn infant, pulmonary air leak, bronchopulmonary dysplasia, intraventricular hemorrhage, periventricular leukomalacia, 1
- development**, breech position, movement restriction, motor behaviour, ultrasound, posture, 161
- development**, fetal baboon (*Papio* sp.), breathing activity, gestational age, tracheal fluid pressure, 31
- dexamethasone**, chronic lung disease, lung function, diuresis, 87
- diuresis**, chronic lung disease, dexamethasone, lung function, 87
- doppler ultrasonography**, fetal compromise, fetal heart rate trace, umbilical artery, internal carotid artery, 151
- ECMO**, baroreflex, neonate, 49
- electroencephalogram**, autoregressive analysis, component analysis, total power, ultradian rhythm, 11
- erythrocytes**, newborn, long chain polyunsaturated fatty acids, plasma cholesterol esters, human milk, 207
- fetal baboon** (*Papio* sp.), breathing activity, development, gestational age, tracheal fluid pressure, 31
- fetal breathing movements**, quality of fetal movements, fetal, tracheal atresia, VATER-syndrome, ultrasound, lung hypoplasia, Hering-Breuer reflex, 63
- fetal compromise**, fetal heart rate trace, doppler ultrasonography, umbilical artery, internal carotid artery, 151
- fetal heart rate trace**, fetal compromise, doppler ultrasonography, umbilical artery, internal carotid artery, 151
- fetal**, quality of fetal movements, fetal breathing movements, tracheal atresia, VATER-syndrome, ultrasound, lung hypoplasia, Hering-Breuer reflex, 63
- fetus**, C-reactive protein, infection, 81

- fetus**, respiratory reflexes, behavioural states, ultrasound, breathing movements, IUGR, 177
- gestational age**, fetal baboon (*Papio* sp.), breathing activity, development, tracheal fluid pressure, 31
- Golgi impregnation**, human development, telencephalic wall, cellular morphology, 131
- heart rate**, umbilical artery, acidaemia, neonate, respiratory rate, 103
- heart-rate variability**, prematurity, heart-rate, sleep states, 183
- heart-rate**, prematurity, heart-rate variability, sleep states, 183
- Hering-Breuer reflex**, quality of fetal movements, fetal breathing movements, fetal, tracheal atresia, VATER-syndrome, ultrasound, lung hypoplasia, 63
- high frequency oscillatory ventilation**, conventional mechanical ventilation, preterm newborn infant, pulmonary air leak, bronchopulmonary dysplasia, intraventricular hemorrhage, periventricular leukomalacia, 1
- human development**, telencephalic wall, cellular morphology, Golgi impregnation, 131
- human fetus**, auditory pathway, brain stem, brain growth, serial sections, 93
- human milk**, newborn, long chain polyunsaturated fatty acids, plasma cholesterol esters, erythrocytes, 207
- infection**, C-reactive protein, fetus, 81
- internal carotid artery**, fetal compromise, fetal heart rate trace, doppler ultrasonography, umbilical artery, 151
- intraventricular hemorrhage**, high frequency oscillatory ventilation, conventional mechanical ventilation, preterm newborn infant, pulmonary air leak, bronchopulmonary dysplasia, periventricular leukomalacia, 1
- IUGR**, respiratory reflexes, behavioural states, fetus, ultrasound, breathing movements, 177
- long chain polyunsaturated fatty acids**, newborn, plasma cholesterol esters, erythrocytes, human milk, 207
- low birth weight neonate**, amino acid profiles, total parenteral nutrition, 71
- lung function**, chronic lung disease, dexamethasone, diuresis, 87
- lung hypoplasia**, quality of fetal movements, fetal breathing movements, fetal, tracheal atresia, VATER-syndrome, ultrasound, Hering-Breuer reflex, 63
- motor behaviour**, breech position, movement restriction, ultrasound, development, posture, 161
- movement restriction**, breech position, motor behaviour, ultrasound, development, posture, 161
- neonate**, ECMO, baroreflex, 49
- neonate**, umbilical artery, acidaemia, respiratory rate, heart rate, 103
- newborn infant**, sleep state, control of breathing, respiratory pattern, 197
- newborn infants**, oxygen consumption, physical activity, total parenteral nutrition, 113
- newborn**, long chain polyunsaturated fatty acids, plasma cholesterol esters, erythrocytes, human milk, 207
- oxygen consumption**, physical activity, newborn infants, total parenteral nutrition, 113
- periventricular leukomalacia**, high frequency oscillatory ventilation, conventional mechanical ventilation, preterm newborn infant, pulmonary air leak, bronchopulmonary dysplasia, intraventricular hemorrhage, 1
- physical activity**, oxygen consumption, newborn infants, total parenteral nutrition, 113
- plasma cholesterol esters**, newborn, long chain polyunsaturated fatty acids, erythrocytes, human milk, 207
- posture**, breech position, movement restriction, motor behaviour, ultrasound, development, 161
- pregnancy**, alcohol consumption, birth weight, preterm delivery, 121
- prematurity**, heart-rate, heart-rate variability, sleep states, 183
- preterm delivery**, pregnancy, alcohol consumption, birth weight, 121
- preterm newborn infant**, high frequency oscillatory ventilation, conventional mechanical ventilation, pulmonary air leak, bronchopulmonary dysplasia, intraventricular hemorrhage, periventricular leukomalacia, 1
- pulmonary air leak**, high frequency oscillatory ventilation, conventional mechanical ventilation, preterm newborn infant, bronchopulmonary dysplasia, intraventricular hemorrhage, periventricular leukomalacia, 1
- quality of fetal movements**, fetal breathing movements, fetal, tracheal atresia, VATER-syndrome, ultrasound, lung hypoplasia, Hering-Breuer reflex, 63

- respiratory pattern**, sleep state, newborn infant, control of breathing, 197
- respiratory rate**, umbilical artery, acidaemia, neonate, heart rate, 103
- respiratory reflexes**, behavioural states, fetus, ultrasound, breathing movements, IUGR, 177
- serial sections**, auditory pathway, brain stem, human fetus, brain growth, 93
- sleep state**, newborn infant, control of breathing, respiratory pattern, 197
- sleep states**, prematurity, heart-rate, heart-rate variability, 183
- telencephalic wall**, human development, cellular morphology, Golgi impregnation, 131
- total parenteral nutrition**, amino acid profiles, low birth weight neonate, 71
- total parenteral nutrition**, oxygen consumption, physical activity, newborn infants, 113
- total power**, autoregressive analysis, component analysis, electroencephalogram, ultradian rhythm, 11
- tracheal atresia**, quality of fetal movements, fetal breathing movements, fetal, VATER-syndrome, ultrasound, lung hypoplasia, Hering-Breuer reflex, 63
- tracheal fluid pressure**, fetal baboon (*Papio* sp.), breathing activity, development, gestational age, 31
- ultradian rhythm**, autoregressive analysis, component analysis, electroencephalogram, total power, 11
- ultrasound**, breech position, movement restriction, motor behaviour, development, posture, 161
- ultrasound**, quality of fetal movements, fetal breathing movements, fetal, tracheal atresia, VATER-syndrome, lung hypoplasia, Hering-Breuer reflex, 63
- ultrasound**, respiratory reflexes, behavioural states, fetus, breathing movements, IUGR, 177
- umbilical artery**, acidaemia, neonate, respiratory rate, heart rate, 103
- umbilical artery**, fetal compromise, fetal heart rate trace, doppler ultrasonography, internal carotid artery, 151
- VATER-syndrome**, quality of fetal movements, fetal breathing movements, fetal, tracheal atresia, ultrasound, lung hypoplasia, Hering-Breuer reflex, 63

Author Index

- Alvarez, J. 197
Baarsma, R. 63
Bekedam, D.J. 63
Billeaud, C. 113
Boersma, E.R. 207
Bogers, J.W. 151
Brueton, M.J. 71
Buckner, P.S. 49
Burston, D. 71
Chan, V. 87
Chessex, P. 113
Clairambault, J. 183
Curzi-Dascalova, L. 183
Daniel, S.S. 31
Davies, E. 81
de Jonge, G.A. 121
du V. Florey, C. 121
Eiselt, M. 183
Emery, E.F. 87
Fajardo, C. 197
Farkas, A. 103
Finer, N.N. 49
Gamsu, H.R. 87
Goto, K. 11
Goto, N. 93
Greenough, A. 81, 87
Groenenberg, I.A.L. 151
Hop, W.C.J. 151
Imura, S. 1
Inukai, K. 1
Jéquier, J.-C. 113
Kauffmann, F. 183
Kawano, T. 1
Kim, Y.-I. 31
Kovar, I.Z. 71
Kwiatkowski, K. 197
Leung, K. 31
Luteyn, A.J. 207
Maidens, J.M. 49
Médigue, C. 183
Mishina, J. 1
Mitton, S.G. 71
Miyasaka, K. 1
Muskiet, F.A.J. 207
Nakae, Y. 93
Nara, T. 93
Nelen, W. 177
Nicolaidis, K.H. 81
Nijeboer, H.J. 207
Nijhuis, J.G. 177
Nishida, H. 1
Offringa, P.J. 207
Ogawa, T. 11
Ogawa, Y. 1
Oguchi, K. 1
Okada, A. 93
Okuyama, K. 1
Peirano, P. 183
Piedboeuf, B. 113
Prechtl, H.F.R. 161
Rey, H.R. 31
Rigatto, H. 197
Robson, S.C. 103
Santema, J.G. 151
Sival, D.A. 161
Sonder, G.H.A. 161
Sonoda, H. 11
Spencer, J.A.D. 103
Stark, R.I. 31
Tas, B.A.P.J. 177
Thompson, P.J. 81
Togari, H. 1
Touwen, B.C.L. 161
Tropper, P.J. 31
van Beusekom, C.M. 207
van Der Veere, C.N. 207
van Noord-Zaadstra, B.M. 121
Verkerk, P.H. 121
Verloove-Vanhorick, S.P. 121
Visser, G.H.A. 63
Wakayama, K. 11
Willems, E. 177
Wladimiroff, J.W. 151
Wong, A. 197
Zečević, N. 131